

ABSTRACT OF THE DISCLOSURE

A data transmission apparatus transmits, in response to a permission signal received from a higher-level data receiver, a required amount of data to the data receiver in a burst. The required amount of data is determined by data transmission control. Data transmission between the apparatus and the data receiver is effected at a preselected timing in such a manner as to absorb a difference between the amount of data to be transmitted over a preselected management time period and the data amount indicated by an expected control value. For this purpose, the apparatus calculates an adequate amount of data to be transmitted over the management time period as a unit amount. The apparatus then manages the maximum amount of data to be transmitted over the management time period for thereby leveling the amounts of data transmitted. This successfully enhances accurate data transmission.